



Product Information

SIN DIESEL

CODE: SIND5W40006

Penrite SIN Diesel is the ultimate oil for use in diesel engines operating in extreme conditions (that are not equipped with a DPF [Diesel Particulate Filter]).

THE INGREDIENTS

SIN Diesel is made from carefully selected synthetic ester and PAO base oils and combined with additives meeting the latest oil specifications and shear stable viscosity modifiers. The viscosity modifiers are carefully chosen to minimise viscosity loss due to shearing, so that the oils stay in grade even after severe laboratory testing. This maintains the oil film for the life of the oil drain.

APPLICATION

SIN Diesel Oil can be used in any four-stroke US or Japanese engines that specify API CI-4 engine oils or below. It is also recommended for long drain intervals of up to 100,000km in European engines that specify ACEA E4 oils and that require oils with higher zinc and ash levels.

In addition, it can be used in European and Japanese four wheel drive and light commercial vehicles that require the use of ACEA B3 or B4 oils and others that need API CI-4 or JASO DH-1 type oils.

Note this product must not be used in petrol engines or in engines that are equipped with

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exhaust filters or other after-treatment devices. Use Diesel SP (ACEA E6) for heavy duty truck and bus engines and *Enviro+* for light duty car and 4WD engines.

CUSTOMER BENEFITS

- Greater engine protection at operating temperatures compared to traditional low viscosity synthetic diesel engine oils (5W-30) due to higher operating temperature viscosity.
- Longer engine life by reducing formation of high temperature engine deposits.
- Longer oil life and less oil consumption.
- Low start-up viscosity provides engine protection and power/fuel economy retention at the most critical time of the engines run cycle.
- Suitable for heavy duty and light duty diesel engines
- Excellent mixed fleet oil
- Enhanced wear protection.

INDUSTRY SPECIFICATIONS

Penrite SIN Diesel meets the performance requirements of:

API CI-4	ACEA E7/E4/B4 (Europe)
Mercedes Benz 228.5	Mack EO-M Plus
JASO DH-1	Global DHD-1
Volvo VDS 3	Renault RXD
Cummins CES 20078	MAN 3277

Typical Properties

Density at 15°C, kg/L	0.867
Viscosity, Kinematic, cSt	
at 40°C	86
at 100°C	14.2
Viscosity Index	171
Cold Cranking Viscosity, cP at -30°C	5894
NOACK Volatility, mass %	12.5
Phosphorus, mass %	0.134
Zinc, Mass %	0.148
Sulphated Ash, mass %	1.62
Base Number	12.5

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Environment, Health and Safety

Information is available by request on this product in the Penrite Material Safety Data Sheet. Information in this sheet is based on the most current information available. Minor variations to typical properties not affecting the performance of the product are to be expected in normal manufacture.

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